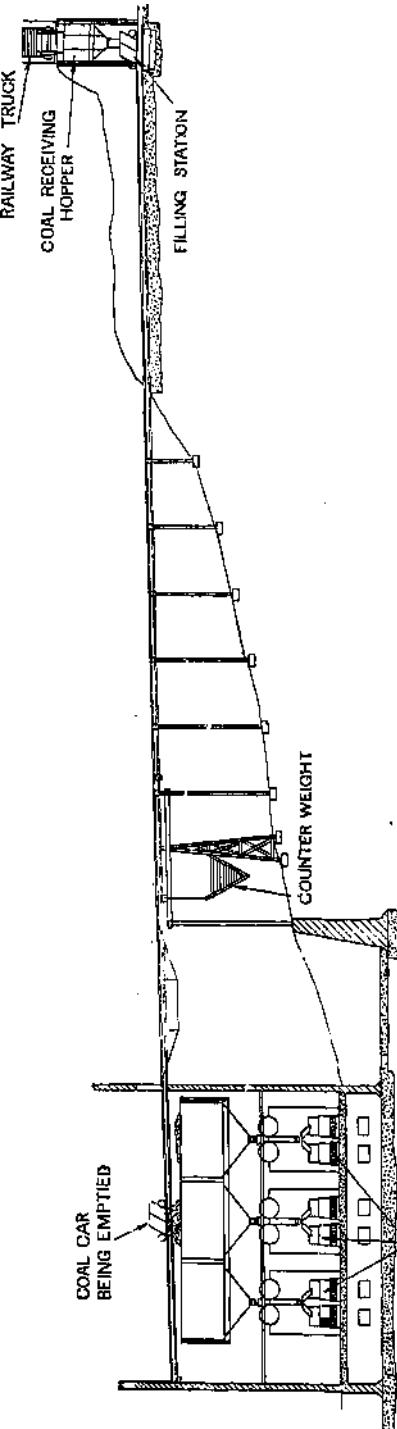


## COAL AND ASH HANDLING PLANT



### GENERAL METHODS

#### By Sidings

**Bunkers.**—In certain cases it will be found that the layout of the power station plant, and natural formation and level of ground on which it stands in relation to the adjacent railway render it possible to provide an elevated railway siding leading to the coal storage bunkers over the boilers in the boiler house. This arrangement enables the trucks to be shunted directly to the bunkers and emptied without the provision of any coal handling plant. This is probably the cheapest and most convenient arrangement to adopt, as the amount of plant to be maintained in efficient working order is reduced to a minimum. All that is required is an overhead siding, over which a shunting locomotive can handle the coal trucks direct from the railway company's sidings. The overhead siding may also be used for depositing coal on the ground below for storage purposes. The coal, after being emptied out of the trucks on to the storage space, can be stacked by means of a jib crane and grab over a relatively large area on each side of the overhead siding, thereby permitting a considerable amount of coal to be stored in readiness for emergencies, such as a failure of the coal supply by rail due to accident, strikes, &c. The crane which is used to distribute the coal on the storage space can also be used to reclaim the coal and load it into trucks for shunting on to the bunkers over the boilers.

Fig. 1.—Diagrammatic Arrangement of Babcock & Wilcox Automatic Railway